

Substitute for form 1449A/PTO				Complete if Known	
				Application Number	
				Filing Date	Even Date Herewith
				First Named Inventor	Shlomo YITZCHAIK
				Group Art Unit	
				Examiner Name	
Sheet	1	of	5	Attorney Docket Number	YITZCHAIK =1A

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
AA	4,342,945			KETCHPEL	08-03-1982
AB	4,391,888			CHANG et al	07-05-1983
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BF	5,681,756			NORMAN et al	10-28-1997
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BI	5,693,962			SHI et al	12-02-1997
BJ	5,707,745			FORREST et al	01-13-1998

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
	BK	AGRANOVICH et al, "Fermi resonance interface modes in organic multilayer structures", <u>Chem Phys Lett</u> 210(4,5,6):458-462 (1993)			
	BL	ANDERSON et al, "Synthesis and Third-Order Nonlinear Optical Properties of a Conjugated Porphyrin Polymer", <u>Angew Chem Int Ed Eng</u> 33(6):655-657 (1994)			
	BM	BIRD et al, "Velocity Distributions in Laminar Flow", in <u>Transport Phenomena</u> Wiley, New York, NY, Chapter 2, pp. 34-70 (1960)			
	BN	BRAUN et al, "Visible light emission from semiconducting polymer diodes", <u>Appl Phys Lett</u> 58:1982-1984 (1991)			
	BO	BRAUN et al, "Electroluminescence and electrical transport in poly(3-octylthiophene)", <u>J Appl Phys</u> 72(2):564-568 (1992)			
	BP	BURN et al, "Chemical tuning of electroluminescent copolymers to improve emission efficiencies and allow patterning", <u>Nature</u> 356:47-49 (1992)			
	BQ	BURROUGHES et al "Light-emitting diodes based on conjugated polymers", <u>Nature</u> 347:539-541 (1990)			
	BR	CHEMLA et al, "Room Temperature Excitonic Nonlinear Absorption and Refraction in GaAs/AlGaAs Multiple Quantum Well Structures", <u>IEEE J Quantum Electron</u> QE-20:265-275 (1984)			
	BS	DONOVAN et al, "Determination of anisotropic electron transport properties of two Langmuir-Blodgett organic multiple quantum wells", <u>Thin Solid Films</u> 244:110-114 (1993)			
	BT	DONOVAN et al, "Determination of the parallel and perpendicular intermolecular tunneling rates in two Langmuir-Blodgett quantum well systems" <u>Thin Solid Films</u> 232:923-927 (1994)			
	BU	FORREST et al, "Ultrahigh-vacuum quasiepitaxial growth of model van der Waals thin films. II. Experimental", <u>Phys Rev B</u> 49(16):11309-111321 (1994)			
	BV	GREENHAM et al, "Efficient light-emitting diodes based on polymers with high electron affinities", <u>Nature</u> 365:628-630 (1993)			

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	BW	HASKAL et al, "Finite size effects observed in the fluorescence of ultrathin crystalline organic films grown by organic molecular beam deposition", <u>Chem Phys Lett</u> 219:325-330 (1994)			
	BX	HASKAL et al, "Excitons and exciton confinement in crystalline organic thin films grown by organic molecular-beam deposition", <u>Phys Rev B</u> 51:4449-4462 (1995)			
	BY	HIRAMOTO et al, "Directed beam emission from film edge in organic electroluminescent diode", <u>Appl Phys Lett</u> 62(7):666-668 (1993)			
	BZ	HONG et al, "Possible evidence for quantum-size effects in self-assembled ultrathin films containing conjugated copolymers", <u>Appl Phys</u> 79(6):3082-3088 (1996)			
	CA	JENEKHE et al, "Excimers and Exciplexes of Conjugated Polymers", <u>Science</u> 265:765-768 (1994)			
	CB	KIDO et al, "Bright blue electroluminescence from poly (N-vinylcarbazole)", <u>Appl Phys Lett</u> 63(19):2627-2629 (1993)			
	CC	KIDO et al, "White light-emitting organic electroluminescent devices using the poly(N-vinylcarbazole) emitter layer doped with three fluorescent dyes", <u>Appl Phys Lett</u> 64:815-817 (1994)			
	CD	KUBONO et al, "Polymer Thin Films Prepared by Vapor Deposition", <u>Prog Polym Sci</u> 19:389-438 (1994)			
	CE	LAM et al, "Optical Nonlinearities in Crystalline Organic Multiple Quantum Wells", <u>Phys Rev Lett</u> 60(12):1614-1617 (1991)			
	CF	LI et al, "Chromophoric Self-Assembled Multilayers. Organic Superlattice Approaches to Thin-Film Nonlinear Optical Materials", <u>J Am Chem Soc</u> 112:7389-7390 (1990)			
	CG	MARUO et al, "Surface characterization of fluorinated polyimide films grown by vapor deposition polymerization, <u>J Vac Soc Technol A</u> 11(5):2590-2596 (1993)			
	CH	NAIWA HS, "Organic Materials for Third-Order Nonlinear Optics", <u>Adv Mater</u> 5(5):341-358 (1993)			

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	CI	OHMORI et al, "Observation of spectral narrowing and emission energy shift in organic electroluminescent diode utilizing 8-hydroxyquinoline aluminum/aromatic diamine multilayer structure", <u>Appl Phys Lett</u> 63(14):1871-1873 (1993)			
	CK	OSAHENI et al, "Efficient Blue Luminescence of a Conjugated Polymer Exciplex", <u>Macromolecules</u> 27:739-742 (1994)			
	CL	PESSA et al, "Characterization of surface exchange reactions used to grow compound films", <u>Appl Phys Lett</u> 38(3):131-132 (1981)			
	CM	SHIROTA et al, "Multilayered organic electroluminescent device using a novel starburst molecule, 4,4',4"-tris(3-methylphenylphenylamino)triphenylamine, as a hole transport material", <u>Appl Phys Lett</u> 65(7):807-809 (1994)			
	CN	SO et al, "Quasi-epitaxial growth of organic multiple quantum well structures by organic molecular beam deposition", <u>App Phys Lett</u> 56(7):674-676 (1990)			
	CO	SO et al, "Growth and Characterization of Organic Semiconductor Heterojunctions and Multiple Quantum Wells", <u>SPIE</u> 1285:95-103 (1990)			
	CP	SO et al, "Evidence for Exciton Confinement in Crystalline Organic Multiple Quantum Wells ", <u>Phys Rev Lett</u> 66(20):2649-2652 (1991)			
	CQ	TAKAHASHI et al, "Preparation of Ultrathin Films of Aromatic Polyamides and Aromatic Poly(amide-imides) by Vapor Deposition Polymerization" <u>Macromolecules</u> 24:3543-3546 (1991)			
	CR	TANAKA et al, "Doping effect on organic semiconductive thin film by plasma polymerization of 3,4,9,,10-perylenetetracarboxylic dianhydride", <u>Synthetic Metals</u> 65:81-84 (1994)			
	CS	TATSUURA et al, "Electro-optic polymer waveguide fabricated using electric-field-assisted chemical vapor deposition", <u>Appl Phys Lett</u> 60(14):1661-1663 (1992)			
	CT	ULMAN A, "Formation and Structure of Self-Assembled Monolayers", <u>Chem Rev</u> 96:1533-1554 (1996)			
	CU	WANG et al, "Dependence on Piezoelectric and Pyroelectric Activities of Aromatic Polyurea Thin Films on Monomer Composition Ratio", <u>Jap J Appl Phys</u> 32:2768-2773 (1993)			

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